

Table 1. Anthropogenic and Habitat Variables Used as a Metric¹ of Greater Sage-Grouse Habitat Services.

Variables	3	2	1	0	Primary Citations
Distance to interstate highway or federal highway (meters)	>5,000	700-5,000	100–700	<100	Craighead Beringia South (2008), Pruett et al. (2009), Johnson et al. (2011)
Distance to county/state highway or heavily travelled gravel road, well pads, or mine footprints (meters)	>200	50-200	25–50	<25	Rogers (1964), Connelly et al. (2004), Craighead Beringia South (2008), Pruett et al. (2009), Johnson et al. (2011)
Distance to fence (kilometers) ²	>2.0	0.4-2.0	<0.4	NA	Christiansen (2009), Stevens (2011)
Vegetation class	NA	NA	All vegetation types except those identified as scoring 0	forested, urban, open water, roads, well pads, and mine footprints	Multiple sources per USFWS listing decision in Federal Register, Johnson et al. (2011)
% slope	<10	10–30	30–40	>40	Beck (1977), Lincoln County Sage Grouse Technical Team (2004)
Distance to occupied lek (kilometers)	0-5	5-8.5	>8.5	NA	Connelly et al. (2000), Connelly et al. (2011), Holloran and Anderson (2005), Cagney et al. (2009)
Sagebrush patch size (hectares)	>130	10-130	<10	NA	Connelly et al. (2011), Wallestad (1971)
% sagebrush cover	15-25	5–15 or >25	<5	NA	Stiver et al. (2010), Connelly et al. (2000), Cagney et al. (2009)
Sagebrush canopy height (centimeters)	30-80	20 to <30 or >80	<20	NA	Crawford et al. (2004), Connelly et al. (2000), Stiver et al. (2010)
% bunchgrass cover	5–15	2–5 or >15	<2	NA	Gregg et al. (1994), Connelly et al. (2000), BLM et al. (2000), Stiver et al. (2010)
Distance of habitat to sage or shrub dominant (meters)	<90	90-275	>275	NA	Lincoln County Sage Grouse Technical Review Team (2004), Connelly et al. (2000), BLM et al. (2000),

¹ Habitat services score for a cell = sum of all variable scores excluding Vegetation Class * Vegetation Class score

² Allotment boundaries are being used as a surrogate for fences in this variable.